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Oct 31, 1991

DERWENT-ACC-NO: 1991-339793
DERWENT-WEEK: 199805
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TITLE: Cloth adhesive tape for binding wire harness in automobile - with woven base,
with stronger weft yarn than warp yarn, for low noise and easier tearing

INVENTOR: FUJITA, M; IWAMARU, T ; UCHIDA, S

PATENT-ASSIGNEE:

ASSIGNEE

SLIONTEC CORP

SUMITOMO WIRING SYSTEMS LTD

CODE

SLION

SUME

PRIORITY-DATA: 1990JP-0038512 (April 12, 1990)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|--------------------|----------|-------|------------|
| WO 9116384 A | October 31, 1991 | | 013 | |
| US 5698477 A | December 16, 1997 | | 004 | C09J007/02 |
| EP 478784 A | April 8, 1992 | | 013 | |
| EP 478784 A4 | September 22, 1993 | | 000 | |
| EP 478784 B1 | November 15, 1995 | E | 007 | C09J007/04 |
| DE 69114658 E | December 21, 1995 | | 000 | C09J007/04 |

DESIGNATED-STATES: US AT BE CH DE DK ES FR GB GR IT LU NL SE AT BE CH DE DK ES FR GB GR
IT LI LU NL SE DE FR GB

CITED-DOCUMENTS:JP 60071735; JP 60110776 ; JP 62028436 ; JP 62124178 ; 4.Jnl.Ref ; EP
301764 ; JP 62283182 ; JP 63012680 ; JP 63072777 ; JP 63097678 ; 2.Jnl.Ref

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|--------------|------------------|----------------|------------|
| US 5698477A | May 20, 1992 | 1992US-0778071 | Cont of |
| US 5698477A | January 17, 1995 | 1995US-0373492 | |
| EP 478784A | March 5, 1991 | 1991EP-0905435 | |
| EP 478784A | | WO 9116384 | Based on |
| EP 478784A4 | | 1991EP-0905435 | |
| EP 478784B1 | March 5, 1991 | 1991EP-0905435 | |
| EP 478784B1 | March 5, 1991 | 1991WO-JP00322 | |
| EP 478784B1 | | WO 9116384 | Based on |
| DE 69114658E | March 5, 1991 | 1991DE-0614658 | |
| DE 69114658E | March 5, 1991 | 1991EP-0905435 | |
| DE 69114658E | March 5, 1991 | 1991WO-JP00322 | |
| DE 69114658E | | EP 478784 | Based on |
| DE 69114658E | | WO 9116384 | Based on |

INT-CL (IPC): B32 B 5/08; C09 J 7/02; C09 J 7/04

ABSTRACTED-PUB-NO: EP 478784B

BASIC-ABSTRACT:

A cloth adhesive tape for binding wire harness used for wiring in, for example, an automobile, is composed of woven fabric as a substratum, in which yarn strands each being from 80 to 200g in tensile strength are used as warps and spun yarns or woolly textured filament yarns each being higher in strength than the warp are used as wefts, the thickness of the fabric is 0.2mm or more, tensile strength of the adhesive tape in the longitudinal direction is 8kg or more per width of 19mm.

ADVANTAGE - Previously used PVC or acetate cloth-based tapes have posed problems of noise such as beating or scratching sound generated during driving of an automobile, and cotton-based tapes lower work efficiency when manually handled because of high resistance to tearing.

ABSTRACTED-PUB-NO:

US 5698477A

EQUIVALENT-ABSTRACTS:

An adhesive cloth tape for bundling the component wires of a wiring harness, having a tensile strength of 8 kgf/19 mm or higher with respect to the direction of its length, and comprising: a woven base cloth of 0.2 mm or above in thickness, consisting of yarns having a tensile strength in the range of 80 to 200 gf as warp yarns (1), and yarns having a tensile strength higher than that of the warp yarns as weft yarns (2); and an adhesive coating (3) on one major surface of the woven base cloth.

A cloth adhesive tape for binding wire harness used for wiring in, for example, an automobile, is composed of woven fabric as a substratum, in which yarn strands each being from 80 to 200g in tensile strength are used as warps and spun yarns or woolly textured filament yarns each being higher in strength than the warp are used as wefts, the thickness of the fabric is 0.2mm or more, tensile strength of the adhesive tape in the longitudinal direction is 8kg or more per width of 19mm.

ADVANTAGE - Previously used PVC or acetate cloth-based tapes have posed problems of noise such as beating or scratching sound generated during driving of an automobile, and cotton-based tapes lower work efficiency when manually handled because of high resistance to tearing.

WO 9116384A

CHOSEN-DRAWING: Dwg.1/1 Dwg.1/1 Dwg.1/1

TITLE-TERMS: CLOTH ADHESIVE TAPE BIND WIRE HARNESS AUTOMOBILE WOVEN BASE STRONG WEFT YARN WARP YARN LOW NOISE EASY TEAR

DERWENT-CLASS: A81 A85 G03 P73 V04 X22

CPI-CODES: A12-A01; A12-E03; G03-B04;

EPI-CODES: V04-V02; X22-X01;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0209 0231 0759 1977 2528 2624 2634 2635 2654 3258 2723 2821 3300 2829 2816

Multipunch Codes: 014 04- 061 062 063 067 231 239 252 42& 440 477 481 483 50& 551 560
562 567 57& 572 573 575 596 609 651 664 667 668 672 688 699

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-146722

Non-CPI Secondary Accession Numbers: N1991-260295